Having described the invention, I claim:

1. An air supply system for a vehicle air braking system, said air supply system comprising:

an air dryer;

a reservoir assembly including a downstream section and a purge reservoir;

a passage extending through said purge reservoir between said air dryer and said downstream section;

a delivery valve in said passage; and

a purge passageway on said reservoir assembly between said air dryer and said delivery valve and in fluid communication with said passage.

2. An air supply system as set forth in claim 1 wherein said reservoir assembly is remote from said air dryer.

3. An air supply system as set forth in claim 2 further comprising only one air line connecting said air dryer in fluid communication with said reservoir assembly.

4. An air supply system as set forth in claim 3 wherein said purge passageway is between said only one air line and said delivery valve.

5. An air supply system as set forth in claim 1 wherein said reservoir assembly is mounted on said air dryer.

6. An air supply system as set forth in claim 5 wherein said purge reservoir is located between said downstream section and said air dryer, said passage extending from said air dryer through an outer wall of said purge reservoir and to of said downstream section.

7. An air supply system for a vehicle air braking system, said air supply system comprising:

an air dryer;

a reservoir assembly remote from said air dryer and including a downstream section and a purge reservoir;

only one air line connecting said air dryer and said reservoir assembly;

a delivery valve on said reservoir assembly between said one air line and said downstream section; and

a purge passageway on said reservoir assembly between said one air line and said delivery valve.

8. An air supply system as set forth in claim 7 wherein said downstream section and said purge reservoir are in a single tank with a wall separating said downstream section from said purge reservoir.

9. An air supply system as set forth in claim 7 wherein said purge passageway is located on said delivery valve.

10. An air supply system as set forth in claim 7 comprising a passage member extending through said purge reservoir and having a passage for air flow between said one air line and said downstream section, said passage member supporting a movable valve member that forms part of said delivery valve.

11. An air supply system as set forth in claim 10 wherein said passage member is a tube having a passage that connects the exterior of said reservoir assembly in fluid communication with said downstream section and that also extends through the interior of said purge reservoir.

12. An air supply system as set forth in claim 11 wherein said purge passageway is formed in said passage member.

13. An air supply system as set forth in claim 11 wherein said purge passageway is formed in a housing of said delivery valve, said housing being supported on said passage member, said passage member having at least one purge flow opening in fluid communication with said purge chamber.

14. An air supply system as set forth in claim 13 wherein said passage member and said housing define an annular volume between said purge chamber and said passage, said purge passageway extending between said passage and said annular volume, said purge flow opening extending between said passage and said annular volume.

15. An air supply system for a vehicle air braking system, said air supply system comprising:

an air dryer;

a compressor having an output;

a purge valve connected between said compressor and said air dryer;

said purge valve having a first condition in which the output of said compressor is connected with said air dryer to direct compressed air into said air dryer;

a reservoir assembly remote from said air dryer;

only one air line connecting said air dryer and said reservoir assembly;

a delivery valve on said reservoir assembly that enables flow of compressed air from said air dryer through said one air line to said reservoir assembly and that blocks flow of air from said reservoir assembly through said one air line to said air dryer;

a purge reservoir on said reservoir assembly; and

a purge passageway connecting said purge reservoir in fluid communication with said one air line, said purge passageway being located between said air dryer and said delivery valve.

16. A valve assembly for an air supply system for a vehicle having a reservoir, said valve assembly comprising:

a housing having an outer end portion for engagement with an outer wall of the reservoir, said outer end portion of said housing defining a port for connection with an air line through which air can be supplied to the reservoir;

said housing having an inner portion for engagement with an inner wall of the reservoir, said inner portion of said housing defining a passage for air to flow through the inner wall of the reservoir; and

a movable valve member in said housing for controlling air flow through said housing, said valve member blocking flow of air through said housing in a direction from the inner wall of the reservoir to the outer wall of the reservoir, said valve member selectively enabling flow of air through said housing in a direction from the outer wall of the reservoir to the inner wall of the reservoir.

17. A valve assembly as set forth in claim 16 further including a purge passageway in said housing for enabling flow of air out of the reservoir through said port past the outer wall of the reservoir.

18. A valve assembly as set forth in claim 17 wherein said housing includes a first housing part having a tubular configuration and a second housing part mounted in said first housing part, said second housing part supporting said movable valve member, said second housing part including said purge passageway.

19. A valve assembly as set forth in claim 17 wherein said purge passageway is located between said movable valve member and said port.

20. A reservoir for an air supply system for a vehicle air braking system, said reservoir comprising:

wall portions defining a supply or service chamber and a purge chamber in said reservoir;

a passage member defining a passage extending through said purge chamber and defining a port for establishing fluid communication between said reservoir and the air supply system;

a delivery valve in said passage; and

a purge passageway on said reservoir between said delivery valve and said port.

22. A reservoir as set forth in claim 21 wherein said delivery valve is a delivery check valve.

23. A reservoir as set forth in claim 21 wherein said port is adapted for connection with an air line for establishing fluid communication with a source of compressed air for said reservoir, said port and said air line also being adapted for delivering purge air from said purge chamber through said purge passageway and said port.

24. A reservoir as set forth in claim 23 further including only one air line connecting said port with the air supply system for delivering compressed air to said reservoir and for delivering purge air from said reservoir.